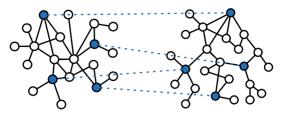
## Landmark Selection:

We choose a set of landmarks from known homologs.





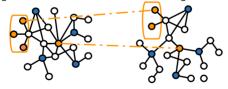
## **Distance Vectors:**

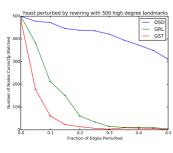
For every vertex in each graph, a vector of distances to landmarks is created. The inner product is used to define a distance between genes across networks

Network 1	Network 2
u1 <3, 4, 2, 2>	v1<3, 2, 2, 1>
u2 <2, 5, 2, 1>	v2<4, 3, 2, 1>
d(u1 u2) - 28	

## Matching:

We identify automorphisms and match at the orbit level using a modified Hungarian and our new method RecipricalRank. We introduce a new validation technique using a cross-validation of known homologs.





## Results:

We compare our method against competing techniques on a battery of tests.